



कार्यालय वनमण्डलाधिकारी जशपुर वनमण्डल जशपुर(छ0ग0)

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क्र0 / मा0चि0 / 2019 / 5237

प्रति,

जशपुर, दिनांक / 17 / 10 / 2019

श्री अजय नायक
प्राधिकृत अधिकारी
टाटा प्रोजेक्ट्स लिमिटेड
रायपुर छत्तीसगढ़

विषय :-

भारत सरकार की महत्वपूर्ण योजना "भारतनेट प्रोजेक्ट (A Part of Digital India)" के सफल क्रियान्वयन हेतु जशपुर जिला के जशपुर वनमण्डल क्षेत्रान्तर्गत फरसाबहार एवं पथलगांव ब्लॉक के अन्तर्गत शामिल ग्राम पंचायत के मार्ग समानांतर 3.945 हे. वन भूमि 0.300 हे. राजस्व वनभूमि, कुल रकबा 4.245 हे. वनभूमि पर ऑप्टिकल फायबर केबल बिछाने विषयक वनभूमि के गैरवानिकी प्रयोजन हेतु व्यपवर्तन प्रस्ताव हेतु डी.जी.पी.एस./लीडार सर्वे रिपोर्ट के सत्यापन बाबत।

संदर्भ :-

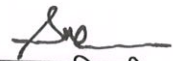
आपका पत्र क्रमांक/भानेप्रो./आएफसी/वनभूमि/प्रस्ताव/2019-20/ रायपुर दिनांक 10.10.2019

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उपरोक्त विषयान्तर्गत कि भारत सरकार की महत्वपूर्ण योजना "भारतनेट प्रोजेक्ट (A Part of Digital India)" के सफल क्रियान्वयन हेतु जशपुर जिला के जशपुर वनमण्डल क्षेत्रान्तर्गत फरसाबहार एवं पथलगांव ब्लॉक के अन्तर्गत शामिल ग्राम पंचायत के मार्ग समानांतर 3.945 हे. वन भूमि 0.300 हे. राजस्व वनभूमि, कुल रकबा 4.245 हे. वनभूमि पर ऑप्टिकल फायबर केबल बिछाने विषयक वनभूमि के गैरवानिकी प्रयोजन हेतु व्यपवर्तन प्रस्ताव हेतु डी.जी.पी.एस./लीडार सर्वे रिपोर्ट प्रस्तुत किया गया है।

जशपुर वनमण्डल अन्तर्गत वन परिक्षेत्र तपकरा (फरसाबहार) एवं परिक्षेत्राधिकारी पथलगांव के ग्राम पंचायत के मार्ग समानांतर 3.945 हे. वनभूमि, एवं 0.300 हे. राजस्व वनभूमि, कुल रकबा 4.245 हे. में केबल बिछाने का प्रस्ताव हेतु डी.जी.पी.एस./लीडार सर्वे रिपोर्ट का वन परिक्षेत्राधिकारी एवं उपवनमण्डलाधिकारी द्वारा सत्यापन किया गया है। वन परिक्षेत्राधिकारी एवं उपवनमण्डलाधिकारी के सत्यापन के आधार पर ऑप्टिकल फाईबर केबल बिछाने हेतु प्रस्तुत डी.जी.पी.एस. रिपोर्ट मय मानचित्र का सत्यापन कर प्रेषित है। वनभूमि प्रत्यावर्तन हेतु वन संरक्षण अधिनियम 1980 के अन्तर्गत नियमानुसार प्रस्ताव तैयार करते हुए ऑनलाईन पंजीयन की कार्यवाही पूर्ण करें, ताकि अग्रिम कार्यवाही की जा सके।

संलग्न :- डी.जी.पी.एस. रिपोर्ट मय मानचित्र।


वनमण्डलाधिकारी

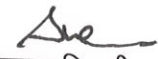
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प्रतिलिपि :-

जशपुर, दिनांक / 17 / 10 / 2019

1. अपर प्रधान मुख्य वन संरक्षक (भू-प्रबंध) छ.ग. अरण्य भवन, नवा रायपुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।
2. मुख्य वनसंरक्षक सरगुजा वृत्त अम्बिकापुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।


वनमण्डलाधिकारी

जशपुर वनमण्डल जशपुर

भारत के संविधान के भाग IV-A की धारा 51क(छ) के अनुसार भारत के प्रत्येक नागरिक का यह मौलिक कर्तव्य होगा कि, वह प्राकृतिक पर्यावरण की, जिसके अन्तर्गत वन, झील, नदी और वन्यजीव हैं, रक्षा करें एवं उसका संवर्धन करें तथा प्राणी मात्र के प्रति दया भाव रखें।

CHHATTISGARH BHARATNET PHASE-II PROJECT

LIDAR/DGPS SURVEY REPORT FOR JASHPUR FOREST DIVISION FOR DIVERSION OF PROPOSED OFC ROUTES

Forest Division : JASHPUR
Forest Land (RF/PF/OA) : 3.945 Ha.
Rev. Forest Land : 0.300 Ha.
Total Proposed Diversion Area : 4.245 Ha.
Block : FARSABAHAR AND PATHALGAON
District : JASHPUR (C.G.)

Applicant -



**Chhattisgarh Infotech Promotion Society (CHiPS)
Raipur (Chhattisgarh)**

Submitted By -



TATA PROJECTS

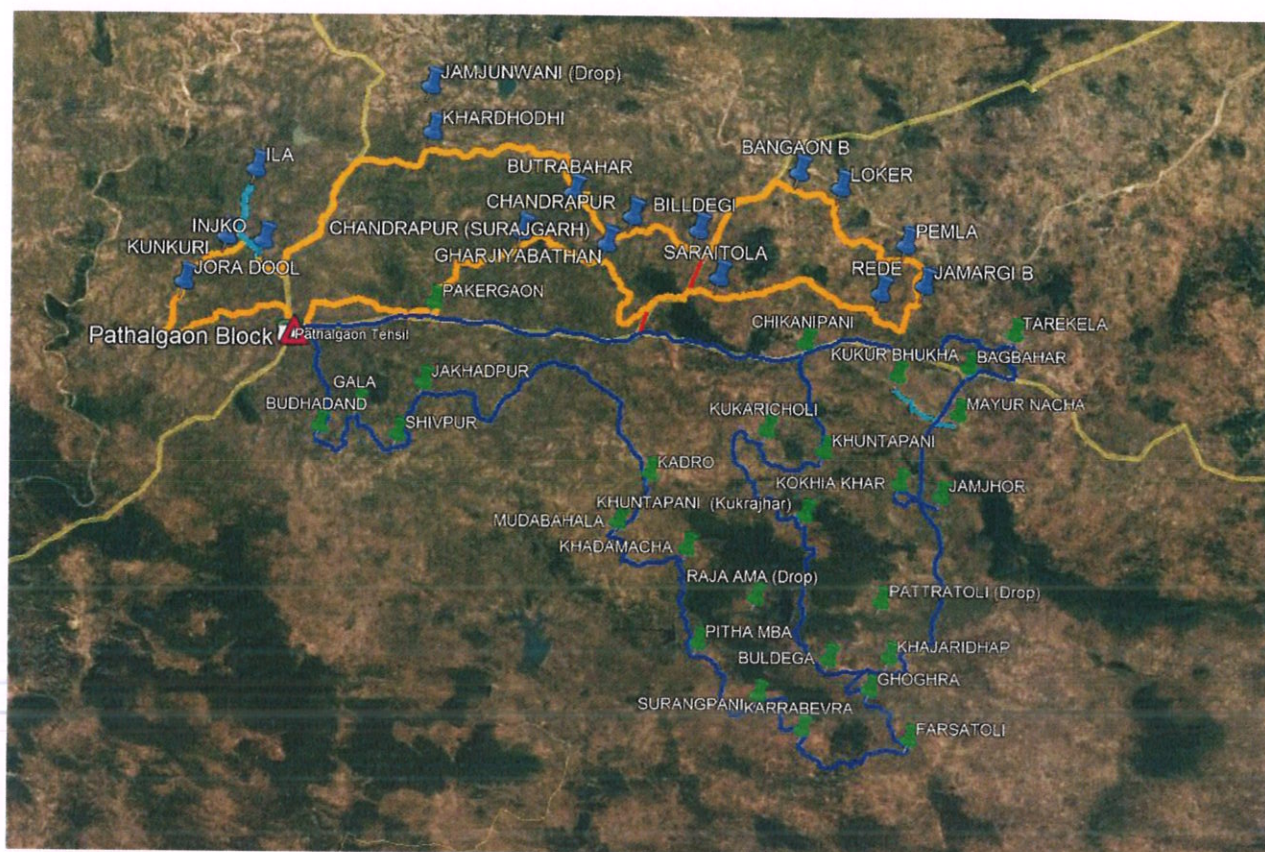
Tata Projects Limited, Raipur (Chhattisgarh)

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वनसंरक्षण अधिकारी
जसपुर वनसंरक्षण जसपुर (छ.ग.)
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OFC Cable Proposed Routes in Pathalgaon Block in Jashpur Forest Division.


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1.3. Location

The proposed OFC Cable route in Jashpur Forest Division (The OFC route Farsabaha and Pathalgaon Block; District: Jashpur). The Proposed OFC route length is approx. 331.920 Km in Farsabaha Block and 275.374 Km Pathalgaon Block hence Total route lengths is 607.294 km. The survey site passes through forest ranges Pathalgaon and Tapkara of Jashpur Forest Division. The OFC Cable route is covered under Survey of India Toposheets 64N06, 64N10, 64N11, 64N14, 64N15, and 73B03 RF 1:50000.

1.4. Objective

As per directives of Ministry of Environment & Forests (MoEF) dated 8th July 2011; all applications for Forest Diversion, under Forest Conservation Act, 1980 must be accompanied with Geo-referenced shape file, showing the boundary of the proposed area (both soft copy and hard copy maps), prepared using LiDAR/Differential GPS (DGPS) and the same should be uploaded to MoEF website along with the online application.

To meet this requirement, **Tata Project Limited** entrusted the DGPS survey work to **Genesys International Corporation Limited, Mumbai** through Mobile LiDAR Technology.

2. Scope of Work

1. Establishment of Ground Control Pointy with 72 Hours observation which covering approx. 15 km radius of the proposed route.
2. DGPS Survey for collection of ground coordinates along the proposed OFC Cable trench at every 200 m interval and/or at every turn/bend along the proposed trench. The DGPS data is collected at forest patches only.
3. Data processing and Interpretation
 - I. Geo-referencing of SOI Toposheet (scale 1:50000).
 - II. Creation of OFC Cable trench boundary vector map using the DGPS Surveyed data
 - III. Computation of Forest area and preparation of Forest Area Statement for proposed diversion. It includes Reserved/Protected Forest/ Orange Area & Revenue Forest Land.
 - IV. Preparation of Geo-referenced map showing proposed OFC Route.
 - V. Superimposition of cable route layer on Geo-referenced SOI Toposheet (scale 1:50000).
 - VI. Preparation of DGPS survey report along with soft copy of maps including shapefile format and kml file.
4. Preparation of Desired report, Geo-referenced maps and Technical compliance in Hard copy and soft copy.

3. Deliverables

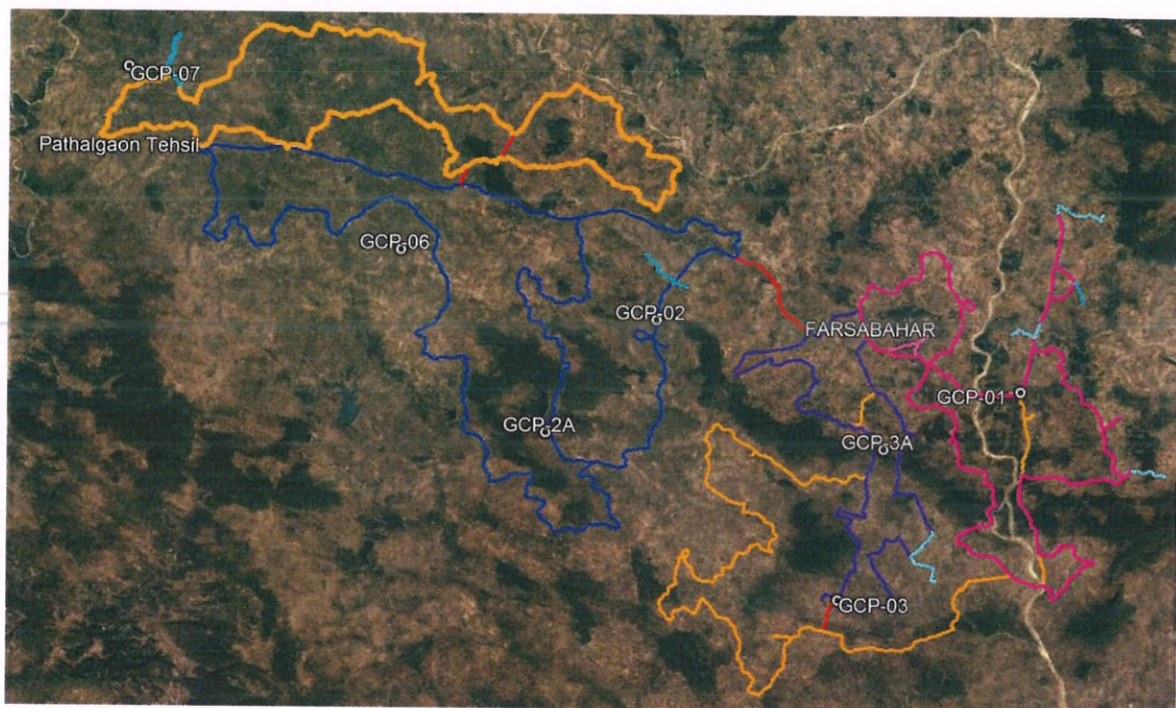
The deliverables envisaged for the assignment are described below -

1. Proposed Forest Diversion area statement as per LiDAR / DGPS Survey of proposed OFC route.
2. Geo-referenced map showing proposed OFC route in forest area and superimposed on SOI maps based on LiDAR / DGPS observations – Hard and Soft Copy (Maps in PDF format, SHP and KML formats).
3. LiDAR / DGPS Survey and Mapping Reports containing Ground Control Points report as the primary Control Points.
4. DGPS Survey and mapping report on hard copy and soft copy in CD.

4. Technical Approach

4.1. GCP Establishment for LiDAR (DGPS) Survey:

DGPS Survey with high precision equipment was used in blocks to bring mapping in to a single co-ordinates system. These Ground Control Point (GCPs) were connected to the Mobile LiDAR Mapping for accuracy purpose. The Ground Control Point required for eliminates the traditional mapping. The system can achieve millimeter accuracy of vehicle positioning, 3-D coordinates, and objects measured from the Geo-referenced image sequences. The Ground Control Point with 72 Hours of DGPS observation for Post Processing the GCP data with International GNSS Service (IGS) stations.



Leica Geosystems AG
Heinrich Wild Strasse
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St. Gallen, Switzerland

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Fax: + 41 71 727 4674

- when it has to be right



GNSS Processing Report - Summary

Report created: 07/31/2019 19:47:29

Project Details

General		Customer Details		Master Coordinate System	
Project Name:	CHPS	Customer Name:	-	Coordinate System Name:	UTM44N
Owner:	GENESYS INTERNATIONAL CORPORATION LIMITED	Contact Person:	-	Transformation Type:	Classical 3D
Lead Surveyor:	-	Number:	-	Residual Distribution:	None
Date Created:	07/31/2019 14:21:05	Email:	-	Ellipsoid:	WGS 1984
Last Accessed:	07/31/2019 14:21:06	Skype:	-	Projection Type:	UTM
Application Software:	Infinity 2.3	Website:	-	Geoid Model:	EGM_2008
				CSCS Model:	-
Path:	D:\INFINITY PROJECTS\CHPS\CHPS1.pj				
Size:	5,296.2 MB				
Comments:	-				

SPP Point: 9453Base_1

Processing Parameters (05/26/2019 04:43:28 - 05/26/2019 12:53:14)

Date	Selected	Used	Comments
Cut-Off Angle:	15°	15°	
Frequency:	Automatic	L1/L2/L3/L5	
Sampling Rate:	Use All	1 sec	
Satellite System:	GPS/GLONASS/Bdoud	GPS/GLONASS/Bdoud	
Ephemeris Type:	Broadcast	Broadcast	
Antenna Calibration Set:	Leica Relative	Leica Relative	

Processing Strategy

Solution Type:	Phase Fixed	Navigated
Solution Optimization:	Automatic	None
Frequency to use in Ionosphere:	Automatic	Automatic
Tropospheric Model:	VMF with GPT2 model	VMF with GPT2 model
Ionospheric Model:	Automatic	Computed
Allow Widearea Fix:	Automatic	No

General Settings

Min. Distance for Ionosphere:	15 km
Minimised:	
Possible Ambiguities Fix up to:	800 km
Min. Duration for Float Solution (static):	00:05:00

Results SPP Point: 9453Base_1

Acquisition

Time Span:	05/26/2019 04:43:28 - 05/26/2019 12:53:14
Duration:	08:09:46

Antenna

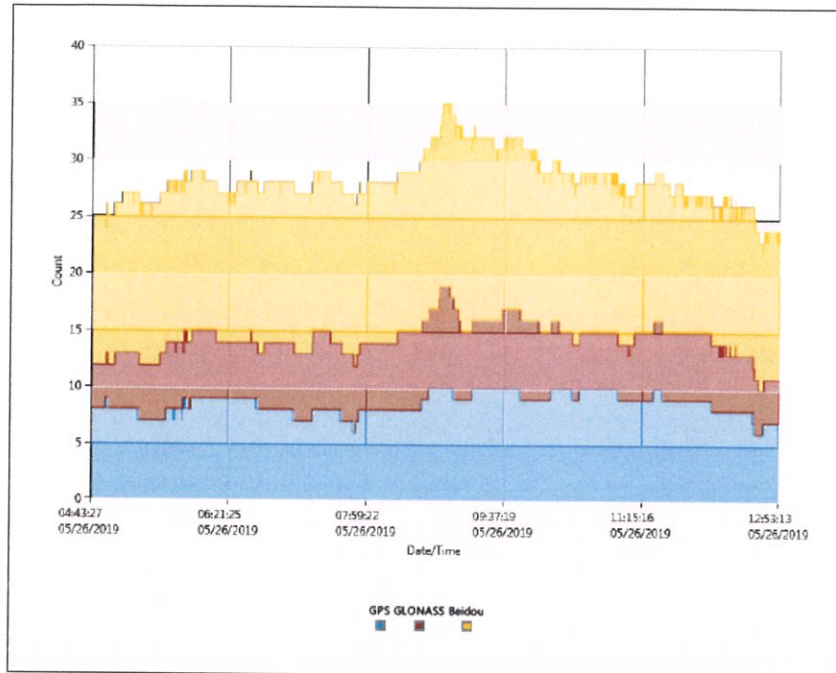
Receiver Name / SN:	LEICA GS16 / 3001653
Antenna Name / SN:	LEGS16 / -
Carrier Offset:	0.3600 m
Height Reading:	1.1500 m
Antenna Height:	1.1100 m

Cĥhattisgarĥ BharatNet Phase-II Project

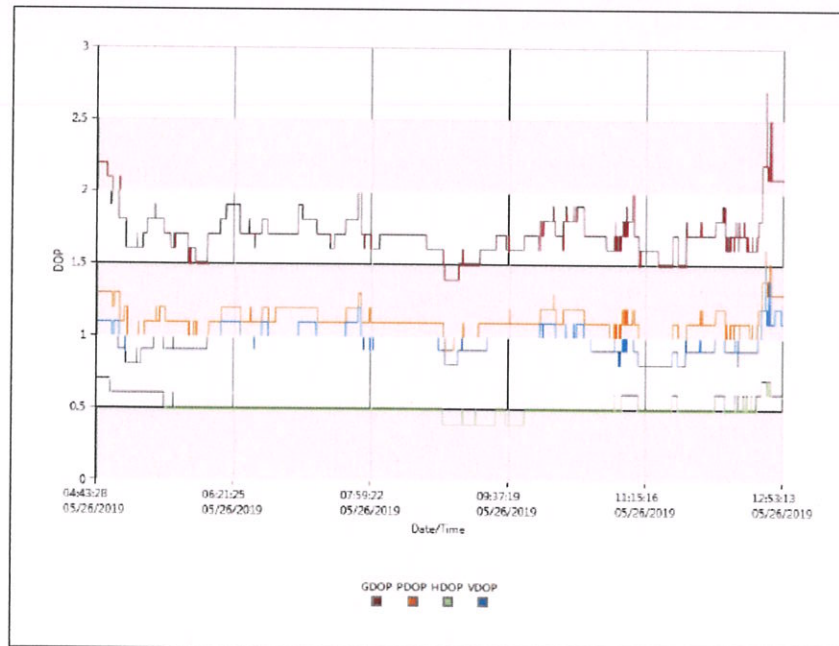
Processing Info (05/26/2019 04:43:28 - 05/26/2019 12:53:14)

Processed Date/Time: 07/31/2019 19:36:23

SVs Tracked



DOP



List of GCP's –

Sr.No	District	GCP No.	Latitude (D:M:S)	Longitude(D:M:S)	Easting	Northing
1	Jashpur	GCP-01	N22°29'22.92769"	E83°56'51.64509"	803301.543	2490017.927
2	Jashpur	GCP-02	N22°30'01.56827"	E83°44'03.87961"	781323.245	2490790.205
3	Jashpur	GCP-2A	N22°26'00.73942"	E83°40'49.27293"	775891.344	2483278.753
4	Jashpur	GCP-03	N22°22'02.92980"	E83°51'34.09171"	794477.849	2476300.761
5	Jashpur	GCP-3A	N22°26'58.38933"	E83°52'25.85993"	795785.633	2485421.849
6	Jashpur	GCP-06	N22°31'05.35016"	E83°35'01.63095"	765784.991	2492477.224
7	Jashpur	GCP-07	N22°35'33.99451"	E83°24'54.21882"	748287.496	2500452.494

4.2. Mobile LiDAR (DGPS) data collection:

DGPS based Mobile LiDAR data was collected along with 360 degree panoramic view of the OFC route corridor (25 meter on each side along the center of the road).



Mobile LiDAR Van

Abhinav
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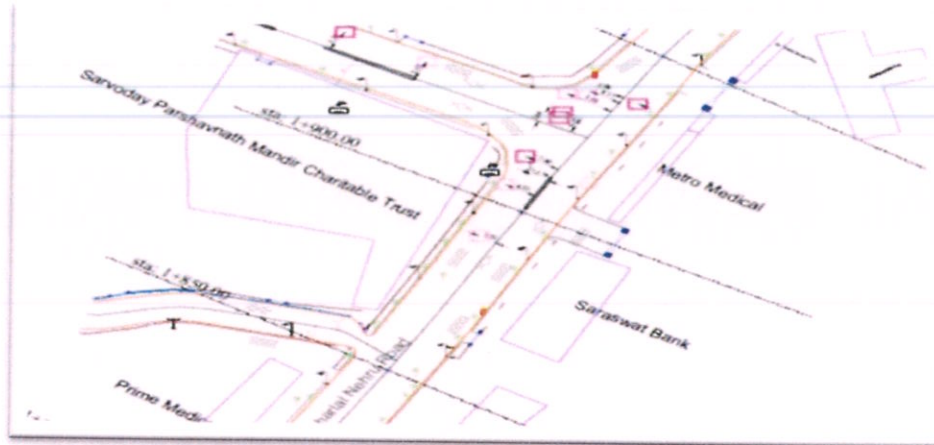
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4.3. DRS / GIS Map Creation Using LiDAR data:

All the features along the route are captured using LiDAR data and Panoramic Imagery to create the DRS / GIS Map.



Feature Extraction on LiDAR



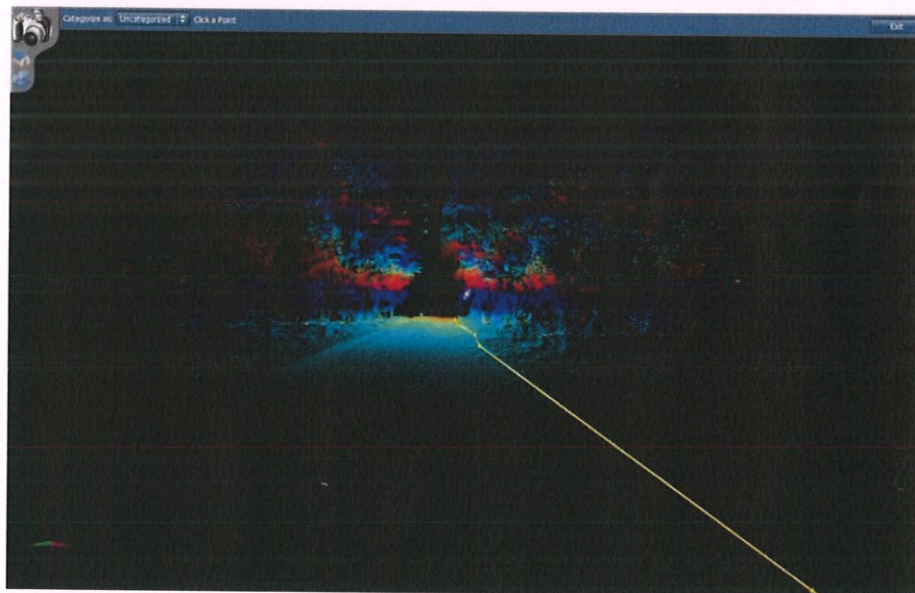
Final DRS / GIS Map

4.4. Demarcation of Proposed OFC on LiDAR data:

Proposed OFC line is demarcated based on the feasibility of trenching to be done on ground by referring the LiDAR data with the panoramic imagery.



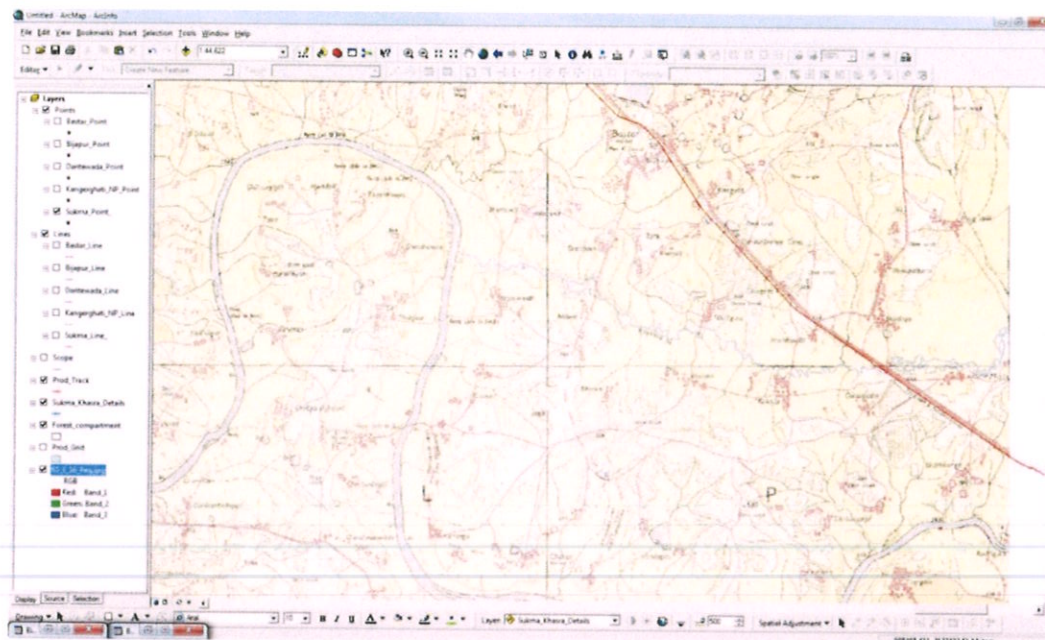
Proposed OFC Line on LiDAR Data (with Panoramic Imagery)



Proposed OFC Line on LiDAR Data only

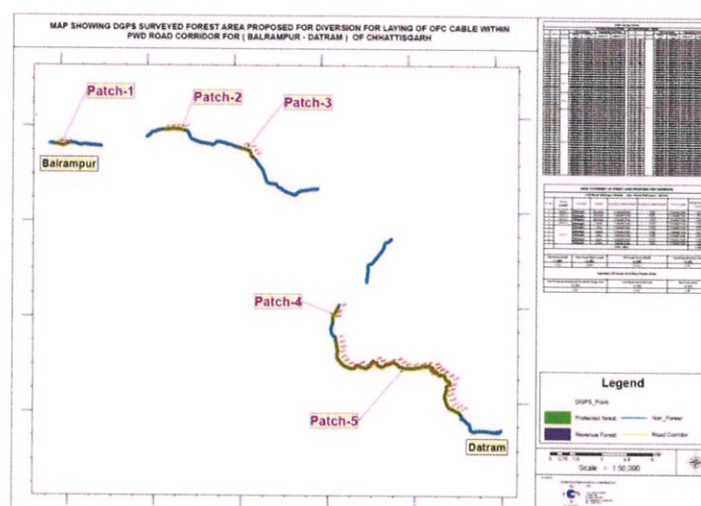
4.5. Geo-referencing of Maps:

Geo-referencing of Revenue Village Maps and SOI Toposheets are to be done. SOI Toposheets would be geo-referenced based on the coordinates provided on the maps whereas Revenue Village Maps would be geo-referenced with the help of GCPs collected on field. (At least 5 GCPs for a village having Government Forest Land are to be collected)



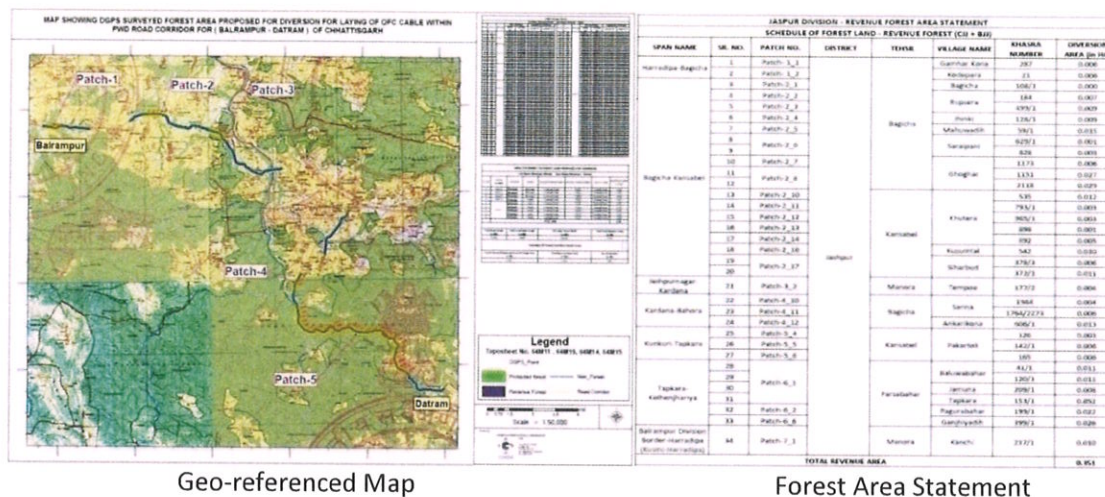
4.6. Creation of Vector Data for Forest Diversion:

Different Layers such as Polygon of Reserved Forest /Protected Forest /Orange Area Patch, Centerline of Proposed OFC Trench, Non-Forest Trench line, Polygons showing Revenue Forest patches etc. are to be created using the Lidar based GDPS Observation, Geo-referenced maps and the information provided by the forest department and Revenue department.



4.7. Generation of Map and Survey Reports for Forest Diversion

A map is created by overlaying the created vector data for the forest patches on the Geo-referenced SOI Toposheets. The reports are generated for DGPS Points (with Lat/long) placed at the regular intervals of 100 m on the proposed OFC route in the forest area. Another report is generated having area calculation for the proposed trench area in different type of Forest Lands. Samples of these are as below.



5. DGPS Survey Results

The total OFC route length is approx. 607.294 km. covered Farsabahr and Pathalgaon Block of Jashpur District. Out of this 522.404 km OFC route length is passing through non-forest Land and 84.890 km OFC route length is passing through Forest Patches hence the proposed forest area for diversion 4.245 Ha. Forest Area Statement Report is in Annexure-1, and DGPS coordinates and forest patch boundary coordinates is in Annexure-2. The geo-referenced maps are in Annexure -3.

5.1. Forest Area Statement (Annexure-1)

Forest Area Statement –Farsabahr and Pathalgaon Block with in Jashpur Forest Division, District – Jashpur, C.G						
Total Route Length (In Km.)	Length of Non Forest Land (In K.m.)	Width of Non Forest Land (In K.M)	Area of Non- Forest Land (In Ha.)	Length of Forest Land (in km.)	Width of Forest Land (in km.)	Area of Proposed Forest Land (in Ha.)
607.294	522.404	0.0005	26.120	84.890	0.0005	4.245

Sl. No.	Forest Division	Forest range	No of Compartment	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
1	Jashpur	Tapkara	72	65811.848	0.5	3.291
2	Jashpur	Patthalgaon	15	13076.585	0.5	0.654
Total of Table A			87	78888.433	0.5	3.945
Sl. No.	District	Block	No of Khasra	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
1	Jashpur	Farsabahr	13	5245.480	0.5	0.262
2	Jashpur	Pathalgaon	2	756.197	0.5	0.038
Total of Table B			13	6001.677	0.5	0.300
Total Diversion Area (Table A+TableB)				84890.110	0.5	4.245



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कुनकुरी

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पथलगांव

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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (In Ha.)
1	7	Farsabahar	Jashpur	Amdiha To Samdama	Tapkara	RF	879	2189.549	0.5	0.109
2	7	Farsabahar	Jashpur	Amdiha To Samdama	Tapkara	RF	879	1366.819	0.5	0.068
3	7	Farsabahar	Jashpur	Amdiha To Samdama	Tapkara	RF	875	2337.412	0.5	0.117
4	10	Farsabahar	Jashpur	Babusajbahar To Sikirima	Tapkara	RF	883	955.754	0.5	0.048
5	10	Farsabahar	Jashpur	Babusajbahar To Sikirima	Tapkara	RF	882	1480.933	0.5	0.074
6	10	Farsabahar	Jashpur	Babusajbahar To Sikirima	Tapkara	RF	881	921.854	0.5	0.046
7	10	Farsabahar	Jashpur	Babusajbahar To Sikirima	Tapkara	RF	880	1271.940	0.5	0.064
8	10	Farsabahar	Jashpur	Babusajbahar To Sikirima	Tapkara	RF	878	1140.334	0.5	0.057
9	25	Farsabahar	Jashpur	Bangaon To Hethghincha	Tapkara	PF	P956	626.964	0.5	0.031
10	23	Farsabahar	Jashpur	Barobaro To Bokhi	Tapkara	PF	P944	775.210	0.5	0.039
11	21	Farsabahar	Jashpur	Barobaro To Bokhi	Tapkara	RF	885	5.823	0.5	0.000
12	21	Farsabahar	Jashpur	Barobaro To Bokhi	Tapkara	RF	885	1105.267	0.5	0.055
13	23	Farsabahar	Jashpur	Bhagora To Farsabahar	Tapkara	PF	P951	1387.935	0.5	0.069
14	23	Farsabahar	Jashpur	Bhagora To Farsabahar	Tapkara	PF	P955	282.698	0.5	0.014
15	20	Farsabahar	Jashpur	Bhelwan To Daltoli	Tapkara	RF	893	1501.634	0.5	0.075
16	26	Farsabahar	Jashpur	Dhorasand To Kandaibahar	Tapkara	RF	913	874.460	0.5	0.044
17	24	Farsabahar	Jashpur	Dhorasand To Kandaibahar	Tapkara	RF	911	51.714	0.5	0.003
18	24	Farsabahar	Jashpur	Dhorasand To Kandaibahar	Tapkara	RF	911	197.419	0.5	0.010
19	24	Farsabahar	Jashpur	Farsabahar To Amdiha	Tapkara	RF	911	168.823	0.5	0.008

Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (In Ha.)
20	6	Farsabahal	Jashpur	Farsabahal To Amdiha	Tapkara	RF	862	635.118	0.5	0.032
21	24	Farsabahal	Jashpur	Farsabahal To Amdiha	Tapkara	RF	911	1589.629	0.5	0.079
22	6	Farsabahal	Jashpur	Farsabahal To Amdiha	Tapkara	RF	864	861.019	0.5	0.043
23	26	Farsabahal	Jashpur	Farsabahal To Amdiha	Tapkara	RF	908	623.819	0.5	0.031
24	6	Farsabahal	Jashpur	Farsabahal To Amdiha	Tapkara	RF	863	352.506	0.5	0.018
25	24	Farsabahal	Jashpur	Farsabahal To Amdiha	Tapkara	RF	911	1013.615	0.5	0.051
26	24	Farsabahal	Jashpur	Farsabahal To Amdiha	Tapkara	RF	911	7.366	0.5	0.001
27	6	Farsabahal	Jashpur	Farsabaha To Amdiha	Tapkara	RF	862	1508.472	0.5	0.075
28	24	Farsabahal	Jashpur	FarsabahalTo Amdiha	Tapkara	RF	911	197.419	0.5	0.010
29	8	Farsabahal	Jashpur	Gaarighat To Pagurabahal	Tapkara	RF	907	1088.255	0.5	0.054
30	4	Farsabahal	Jashpur	Jabla To Jambahal	Tapkara	RF	860	976.994	0.5	0.049
31	5	Farsabahal	Jashpur	Jabla To Jambahal	Tapkara	RF	862	769.049	0.5	0.038
32	2	Farsabahal	Jashpur	Jambahal To Sundru	Tapkara	RF	866	575.118	0.5	0.029
33	2	Farsabahal	Jashpur	Jambahal To Sundru	Tapkara	RF	867	2142.079	0.5	0.107
34	18	Farsabahal	Jashpur	Jamtoli To Mahuadih	Tapkara	RF	897	1777.940	0.5	0.089
35	15	Farsabahal	Jashpur	Jorandajhariya To Maatipahaadchharra	Tapkara	PF	P954	1440.567	0.5	0.072
36	6	Farsabahal	Jashpur	Kandaibahal To Bamhanmara	Tapkara	RF	862	369.964	0.5	0.018
37	6	Farsabahal	Jashpur	Kandaibahal To Bamhanmara	Tapkara	RF	862	1508.477	0.5	0.075

Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
38	26	Farsabahar	Jashpur	Kandaibahar To Bamhanmara	Tapkara	RF	908	623.819	0.5	0.031
39	6	Farsabahar	Jashpur	Kandaibahar To Bamhanmara	Tapkara	RF	863	352.506	0.5	0.018
40	28	Farsabahar	Jashpur	Kersai To Singibahar	Tapkara	PF	P914	352.204	0.5	0.018
41	11	Farsabahar	Jashpur	Kharibahar To Sagjor	Tapkara	RF	878	612.342	0.5	0.031
42	12	Farsabahar	Jashpur	Kharibahar To Sagjor	Tapkara	RF	876	110.635	0.5	0.006
43	12	Farsabahar	Jashpur	Kharibahar To Sagjor	Tapkara	RF	877	3293.802	0.5	0.165
44	17	Farsabahar	Jashpur	Kolhenjhariya To Jamtoli	Tapkara	RF	904	130.289	0.5	0.007
45	17	Farsabahar	Jashpur	Kulharbuda To Kolhenjhariya	Tapkara	RF	905	1172.352	0.5	0.059
46	17	Farsabahar	Jashpur	Kulharbuda To Kolhenjhariya	Tapkara	RF	904	1188.549	0.5	0.059
47	21	Farsabahar	Jashpur	Kumharbahar To Bhagora	Tapkara	RF	885	5.821	0.5	0.000
48	21	Farsabahar	Jashpur	Kumharbahar To Bhagora	Tapkara	RF	885	1105.267	0.5	0.055
49	16	Farsabahar	Jashpur	Maatipahaad Chharra To Kulharbuda	Tapkara	RF	899	1568.464	0.5	0.078
50	16	Farsabahar	Jashpur	Maatipahaad Chharra To Kulharbuda	Tapkara	RF	900	86.618	0.5	0.004
51	19	Farsabahar	Jashpur	Mahuadih To Ganjhiyadeh	Tapkara	RF	926	901.770	0.5	0.045
52	22	Farsabahar	Jashpur	Mendarbahar To Faradbahar	Tapkara	RF	907	775.575	0.5	0.039
53	22	Farsabahar	Jashpur	Mendarbahar To Faradbahar	Tapkara	RF	885	664.485	0.5	0.033
54	24	Farsabahar	Jashpur	Pagurabahar To Tuba	Tapkara	RF	911	496.066	0.5	0.025
55	24	Farsabahar	Jashpur	Pagurabahar To Tuba	Tapkara	RF	911	538.240	0.5	0.027

Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
56	24	Farsabahar	Jashpur	Pagurabahar To Tuba	Tapkara	RF	910	1467.530	0.5	0.073
57	24	Farsabahar	Jashpur	Pagurabahar To Tuba	Tapkara	RF	911	1013.615	0.5	0.051
58	24	Farsabahar	Jashpur	Pandaripani To Farsabahar	Tapkara	PF	P934	133.258	0.5	0.007
59	7	Farsabahar	Jashpur	Purain Bandh To Bansajhal	Tapkara	RF	879	376.809	0.5	0.019
60	7	Farsabahar	Jashpur	Purain Bandh To Bansajhal	Tapkara	PF	P940	567.331	0.5	0.028
61	7	Farsabahar	Jashpur	Purain Bandh To Bansajhal	Tapkara	RF	879	1366.819	0.5	0.068
62	7	Farsabahar	Jashpur	Purain Bandh To Bansajhal	Tapkara	RF	875	2337.412	0.5	0.117
63	28	Farsabahar	Jashpur	Sajbahar To Kersai	Tapkara	PF	P914	349.728	0.5	0.017
64	27	Farsabahar	Jashpur	Sajbahar To Kersai	Tapkara	RF	858	494.345	0.5	0.025
65	8	Farsabahar	Jashpur	Sikirima To Gaarighat	Tapkara	RF	907	651.810	0.5	0.033
66	9	Farsabahar	Jashpur	Sikirima To Gaarighat	Tapkara	RF	906	674.706	0.5	0.034
67	1	Farsabahar	Jashpur	Sundru To Ghumra	Tapkara	RF	868	1219.512	0.5	0.061
68	3	Farsabahar	Jashpur	Sundru To Purain Bandh	Tapkara	PF	P918	823.894	0.5	0.041
69	3	Farsabahar	Jashpur	Sundru To Purain Bandh	Tapkara	PF	P937	1492.615	0.5	0.075
70	24	Farsabahar	Jashpur	Tuba To Farsabahar	Tapkara	RF	911	2281.131	0.5	0.114
71	24	Farsabahar	Jashpur	Tuba To Farsabahar	Tapkara	RF	911	7.366	0.5	0.001
72	27	Farsabahar	Jashpur	Uparkachihar To Jabla	Tapkara	RF	858	495.220	0.5	0.025
Total-							72	65811.848	0.5	3.291
73	31	Pathalgaon	Jashpur	Budhadand To Saraitola	Patthalgaon	RF	970	539.623	0.5	0.027

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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (In Ha.)
74	30	Pathalgaon	Jashpur	Budhadand To Saraitola	Patthalgaon	RF	975	319.559	0.5	0.016
75	29	Pathalgaon	Jashpur	Jamargi B To Loker	Patthalgaon	RF	972	35.306	0.5	0.002
76	29	Pathalgaon	Jashpur	Jamargi B To Loker	Patthalgaon	PF	P1014	1003.633	0.5	0.050
77	33	Pathalgaon	Jashpur	Joradool To Budhadand	Patthalgaon	RF	966	1334.622	0.5	0.067
78	33	Pathalgaon	Jashpur	Joradool To Budhadand	Patthalgaon	RF	967	1949.465	0.5	0.097
79	40	Pathalgaon	Jashpur	Joradool To Budhadand	Patthalgaon	PF	P995	711.048	0.5	0.036
80	39	Pathalgaon	Jashpur	Khadamacha To Pithamba	Patthalgaon	RF	986	458.791	0.5	0.023
81	39	Pathalgaon	Jashpur	Khadamacha To Pithamba	Patthalgaon	RF	987	444.461	0.5	0.022
82	34	Pathalgaon	Jashpur	Khutapani To Chiknipani	Patthalgaon	PF	P1017	679.375	0.5	0.034
83	36	Pathalgaon	Jashpur	Kukrajhar To Buldega	Patthalgaon	RF	982	1493.835	0.5	0.075
84	37	Pathalgaon	Jashpur	Kukrajhar To Buldega	Patthalgaon	PF	P1026	733.885	0.5	0.037
85	35	Pathalgaon	Jashpur	Kukrajhar To Khutapani	Patthalgaon	RF	978	844.722	0.5	0.042
86	32	Pathalgaon	Jashpur	Surajgarh To Saraitola	Patthalgaon	RF	965	1669.043	0.5	0.083
87	38	Pathalgaon	Jashpur	Surangpani To Karrabevra	Patthalgaon	RF	990	859.217	0.5	0.043
Total-							15	13076.585	0.5	0.654
Grend total-							87	78888.433	0.5	3.945



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Table B - Area statement for proposed forest Patch es – Revenue Forest land (Chhote / Bade Jhad ka Jangal)										
Sl No.	Patch	District	Block	Route Name	Village	Type	Khasra No	Length (in m.)	Width (in m.)	Proposed Area (In Ha.)
1	19	Jashpur	Farsabahal	Dongadarha To Ganjhiyadeh	Ganjhiyadih	CJJ	45	115.725	0.5	0.006
2	9	Jashpur	Farsabahal	Sikirima To Pagurabahal	Garighat	BJJ	335	159.302	0.5	0.008
3	8	Jashpur	Farsabahal	Sikirima To Purainbandh	Garighat	BJJ	1/1	208.891	0.5	0.010
4	16	Jashpur	Farsabahal	Jorandajhariya To Kulharbuda	Hatibed	BJJ	5	170.255	0.5	0.009
5	16	Jashpur	Farsabahal	Jorandajhariya To Kulharbuda	Hatibed	BJJ	38	498.561	0.5	0.025
6	24	Jashpur	Farsabahal	Dongadarha To Ganjhiyadeh	Kandaibahal	BJJ	178	182.721	0.5	0.009
7	24	Jashpur	Farsabahal	Tuba To Kandaibahal	Kandaibahal	CJJ	226	453.672	0.5	0.023
8	7	Jashpur	Farsabahal	Sikirima To Purainbandh	Purainbandh	BJJ	103/1	146.838	0.5	0.007
9	14	Jashpur	Farsabahal	Korangamaal To Bhelwan	Sagjor	BJJ	22	742.744	0.5	0.037
10	13	Jashpur	Farsabahal	Korangamaal To Bhelwan	Sagjor	BJJ	71/1	531.298	0.5	0.027
11	13	Jashpur	Farsabahal	Korangamaal To Bhelwan	Sagjor	BJJ	85/1	599.441	0.5	0.030
12	13	Jashpur	Farsabahal	Korangamaal To Bhelwan	Sagjor	BJJ	137/1	241.286	0.5	0.011
13	12	Jashpur	Farsabahal	Korangamaal To Bhelwan	Sagjor	BJJ	294	1194.746	0.5	0.060
Total-							13	5245.48	0.5	0.262
14	32	Jashpur	Pathalgaon	Surajgarh To Saraitola	Ludge	BJJ	121/1	560.818	0.5	0.028
15	32	Jashpur	Pathalgaon	Surajgarh To Saraitola	Ludge	BJJ	1/46	195.379	0.5	0.01
Total-							2	756.197	0.5	0.038
Grand total-							15	6001.677		0.300

वन परिक्षेत्राधिकारी
तपकरा

वन परिक्षेत्राधिकारी
पथलगाँव

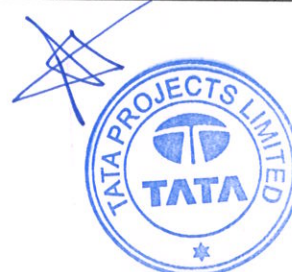
उप वनमण्डलाधिकारी
पथलगाँव

उप वनमण्डलाधिकारी
कुनकुरी



5.2. LiDAR/DGPS Surveyed coordinates of Forest Patches (Annexure-2)

Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-1	1	22°27'24.92573"	84°01'11.16571"	P-51	6	22°29'22.96374"	83°56'51.48639"
P-2	1	22°27'23.26448"	84°01'17.85786"	P-52	6	22°29'29.33333"	83°56'52.73578"
P-3	1	22°27'22.27921"	84°01'24.60345"	P-53	6	22°29'34.61148"	83°56'54.47406"
P-4	1	22°27'24.83567"	84°01'30.96489"	P-54	6	22°29'03.46392"	83°56'53.60508"
P-5	1	22°27'28.15364"	84°01'36.84090"	P-55	6	22°29'09.61434"	83°56'52.49380"
P-6	1	22°27'25.63528"	84°01'42.97680"	P-56	6	22°29'16.10431"	83°56'52.23957"
P-7	1	22°27'21.56167"	84°01'47.64251"	P-57	6	22°29'22.59837"	83°56'52.13269"
P-8	1	22°27'21.54815"	84°01'48.32417"	P-58	6	22°29'22.96374"	83°56'51.48639"
P-9	2	22°28'13.97642"	83°59'55.51756"	P-59	6	22°28'34.71450"	83°57'04.69620"
P-10	2	22°28'19.85382"	83°59'52.57780"	P-60	6	22°28'40.81301"	83°57'02.36201"
P-11	2	22°28'26.00435"	83°59'50.32710"	P-61	6	22°28'47.29600"	83°57'01.95941"
P-12	2	22°28'31.22586"	83°59'47.91916"	P-62	6	22°28'53.74153"	83°57'01.29784"
P-13	2	22°27'18.69302"	84°00'21.93671"	P-63	6	22°28'59.49868"	83°56'58.09710"
P-14	2	22°27'22.86199"	84°00'17.38822"	P-64	6	22°29'00.89370"	83°56'56.58559"
P-15	2	22°27'28.72053"	84°00'19.74126"	P-65	6	22°29'07.48701"	83°56'07.97253"
P-16	2	22°27'35.20610"	84°00'19.94887"	P-66	6	22°29'07.53157"	83°56'14.92798"
P-17	2	22°27'41.52018"	84°00'18.67934"	P-67	6	22°29'10.98316"	83°56'20.83986"
P-18	2	22°27'47.03164"	84°00'15.06317"	P-68	6	22°29'14.45512"	83°56'26.74668"
P-19	2	22°27'48.94377"	84°00'08.62694"	P-69	6	22°29'16.27149"	83°56'33.20598"
P-20	2	22°27'52.32866"	84°00'02.88086"	P-70	6	22°29'12.63084"	83°56'38.69834"
P-21	2	22°27'56.86752"	83°59'58.12514"	P-71	6	22°29'15.16128"	83°56'44.73031"
P-22	2	22°28'03.31974"	83°59'57.34180"	P-72	6	22°29'20.27008"	83°56'49.04846"
P-23	2	22°28'09.73732"	83°59'56.87996"	P-73	6	22°29'22.96374"	83°56'51.48639"
P-24	2	22°28'13.97642"	83°59'55.51756"	P-74	6	22°29'07.48701"	83°56'07.97253"
P-25	3	22°26'45.44579"	83°59'15.48102"	P-75	6	22°29'07.53157"	83°56'14.92798"
P-26	3	22°26'47.76907"	83°59'21.84811"	P-76	6	22°29'10.98316"	83°56'20.83986"



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Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-27	3	22°26'48.35418"	83°59'28.73802"	P-77	6	22°29'14.45512"	83°56'26.74668"
P-28	3	22°26'51.66839"	83°59'34.70130"	P-78	6	22°29'16.27149"	83°56'33.20598"
P-29	3	22°26'54.86807"	83°59'40.67596"	P-79	6	22°29'12.63084"	83°56'38.69834"
P-30	3	22°26'55.03667"	83°59'41.49102"	P-80	6	22°29'15.16128"	83°56'44.73031"
P-31	3	22°26'55.03667"	83°59'41.49102"	P-81	6	22°29'20.27008"	83°56'49.04846"
P-32	3	22°26'55.89807"	83°59'48.37744"	P-82	6	22°29'22.96374"	83°56'51.48639"
P-33	3	22°26'56.84636"	83°59'54.82437"	P-83	6	22°29'10.60349"	83°55'56.12295"
P-34	3	22°26'58.85532"	84°00'01.34049"	P-84	6	22°29'08.77702"	83°56'02.83023"
P-35	3	22°26'59.75247"	84°00'08.23576"	P-85	6	22°29'07.48701"	83°56'07.97253"
P-36	3	22°26'59.01514"	84°00'15.15785"	P-86	6	22°29'10.60349"	83°55'56.12295"
P-37	3	22°26'56.16752"	84°00'21.19790"	P-87	6	22°29'08.77702"	83°56'02.83023"
P-38	3	22°26'54.36454"	84°00'27.62179"	P-88	6	22°29'07.48701"	83°56'07.97253"
P-39	3	22°26'55.56213"	84°00'30.48642"	P-89	7	22°26'48.37777"	83°57'17.30092"
P-40	4	22°29'17.21358"	83°59'10.10374"	P-90	7	22°26'45.52159"	83°57'23.47459"
P-41	4	22°29'17.28401"	83°59'03.13397"	P-91	7	22°26'43.52865"	83°57'29.26769"
P-42	4	22°29'21.61231"	83°58'58.15395"	P-92	7	22°26'43.52865"	83°57'29.26769"
P-43	4	22°29'27.95121"	83°58'56.72870"	P-93	7	22°26'42.44291"	83°57'36.14526"
P-44	4	22°29'34.03866"	83°58'54.33055"	P-94	7	22°26'44.15481"	83°57'42.84298"
P-45	4	22°29'38.91004"	83°58'51.09354"	P-95	7	22°26'45.31745"	83°57'48.55377"
P-46	5	22°29'49.81739"	83°58'19.18870"	P-96	7	22°26'48.37777"	83°57'17.30092"
P-47	5	22°29'52.33492"	83°58'12.77444"	P-97	7	22°26'54.85083"	83°57'16.84365"
P-48	5	22°29'57.79790"	83°58'12.23716"	P-98	7	22°27'01.03596"	83°57'14.85288"
P-49	5	22°30'03.55736"	83°58'15.38580"	P-99	7	22°27'06.85977"	83°57'16.43308"
P-50	5	22°30'08.67553"	83°58'16.61014"	P-100	7	22°27'12.72049"	83°57'13.84575"
P-101	7	22°27'18.87523"	83°57'15.38401"	P-151	7	22°26'45.76382"	83°57'53.65278"
P-102	7	22°27'24.73815"	83°57'17.95054"	P-152	8	22°27'34.56081"	83°54'41.26231"
P-103	7	22°27'31.13431"	83°57'19.17449"	P-153	8	22°27'33.43730"	83°54'48.13021"
P-104	7	22°27'37.52055"	83°57'20.45725"	P-154	8	22°27'29.53784"	83°54'53.24091"
P-105	7	22°27'43.90304"	83°57'21.72331"	P-155	8	22°27'33.09953"	83°54'40.43288"

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Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-106	7	22°27'50.38778"	83°57'21.53000"	P-156	8	22°27'34.56081"	83°54'41.26231"
P-107	7	22°27'56.24414"	83°57'19.53678"	P-157	8	22°28'02.67216"	83°54'44.27245"
P-108	7	22°26'04.99265"	83°57'15.21727"	P-158	8	22°27'56.39882"	83°54'45.58331"
P-109	7	22°26'11.47505"	83°57'15.32877"	P-159	8	22°27'48.60310"	83°54'43.08167"
P-110	7	22°26'17.95899"	83°57'14.91736"	P-160	8	22°27'42.23375"	83°54'43.24145"
P-111	7	22°26'24.39494"	83°57'15.37400"	P-161	8	22°27'35.98454"	83°54'42.16320"
P-112	7	22°26'30.56884"	83°57'16.01613"	P-162	8	22°27'30.58693"	83°54'38.32818"
P-113	7	22°26'36.70476"	83°57'14.98082"	P-163	8	22°27'27.85995"	83°54'39.09031"
P-114	7	22°26'43.14429"	83°57'15.86020"	P-164	8	22°27'29.07335"	83°54'53.62888"
P-115	7	22°26'48.37777"	83°57'17.30092"	P-165	8	22°27'22.66670"	83°54'54.16004"
P-116	7	22°26'04.99265"	83°57'15.21727"	P-166	8	22°27'22.38724"	83°54'54.08261"
P-117	7	22°26'11.47505"	83°57'15.32877"	P-167	9	22°27'00.74338"	83°55'01.24459"
P-118	7	22°26'17.95899"	83°57'14.91736"	P-168	9	22°26'54.61106"	83°55'02.24418"
P-119	7	22°26'24.39494"	83°57'15.37400"	P-169	9	22°26'48.49428"	83°55'03.90891"
P-120	7	22°26'30.56884"	83°57'16.01613"	P-170	9	22°26'44.46805"	83°55'09.26954"
P-121	7	22°26'36.70476"	83°57'14.98082"	P-171	9	22°26'43.81999"	83°55'11.78087"
P-122	7	22°26'43.14429"	83°57'15.86020"	P-172	9	22°27'05.69149"	83°55'00.78503"
P-123	7	22°26'48.37777"	83°57'17.30092"	P-173	9	22°27'00.74339"	83°55'01.24459"
P-124	7	22°25'05.70007"	83°58'00.54594"	P-174	10	22°25'47.29195"	83°56'26.76027"
P-125	7	22°25'09.52528"	83°57'54.91570"	P-175	10	22°25'43.90225"	83°56'31.38736"
P-126	7	22°25'13.53820"	83°57'49.66298"	P-176	10	22°25'40.62757"	83°56'27.87091"
P-127	7	22°25'19.90328"	83°57'49.23549"	P-177	10	22°25'36.67267"	83°56'23.10386"
P-128	7	22°25'25.46497"	83°57'45.66236"	P-178	10	22°25'31.86888"	83°56'18.56590"
P-129	7	22°25'30.74717"	83°57'41.59400"	P-179	10	22°25'27.92005"	83°56'15.34126"
P-130	7	22°25'35.99904"	83°57'37.48210"	P-180	10	22°26'20.01645"	83°56'02.16574"
P-131	7	22°25'41.08450"	83°57'33.16027"	P-181	10	22°26'20.55862"	83°56'08.99952"
P-132	7	22°25'44.92540"	83°57'27.52503"	P-182	10	22°26'18.53853"	83°56'15.06567"
P-133	7	22°25'48.87772"	83°57'21.99005"	P-183	10	22°26'12.92351"	83°56'18.55840"
P-134	7	22°25'54.62428"	83°57'18.90654"	P-184	10	22°26'08.09911"	83°56'22.95404"

Chhattisgarh BharatNet Phase-II Project

Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-135	7	22°26'00.83661"	83°57'16.91515"	P-185	10	22°26'01.68307"	83°56'22.58591"
P-136	7	22°26'04.99265"	83°57'15.21727"	P-186	10	22°25'55.57141"	83°56'24.44619"
P-137	7	22°25'05.70007"	83°58'00.54594"	P-187	10	22°25'49.58932"	83°56'25.92210"
P-138	7	22°25'09.52528"	83°57'54.91570"	P-188	10	22°25'47.29195"	83°56'26.76027"
P-139	7	22°25'13.53820"	83°57'49.66298"	P-189	10	22°25'27.92005"	83°56'15.34126"
P-140	7	22°25'19.90328"	83°57'49.23549"	P-190	10	22°25'23.26786"	83°56'19.43786"
P-141	7	22°25'25.46497"	83°57'45.66236"	P-191	10	22°25'18.48848"	83°56'23.64099"
P-142	7	22°25'30.74717"	83°57'41.59400"	P-192	10	22°24'53.76500"	83°55'54.32951"
P-143	7	22°25'35.99904"	83°57'37.48210"	P-193	10	22°24'50.41138"	83°55'48.73668"
P-144	7	22°25'41.08450"	83°57'33.16027"	P-194	10	22°24'50.48829"	83°55'44.59210"
P-145	7	22°25'44.92540"	83°57'27.52503"	P-195	10	22°25'13.19220"	83°56'26.04926"
P-146	7	22°25'48.87772"	83°57'21.99005"	P-196	10	22°25'07.07248"	83°56'24.98927"
P-147	7	22°25'54.62428"	83°57'18.90654"	P-197	10	22°25'01.96054"	83°56'20.72417"
P-148	7	22°26'00.83661"	83°57'16.91515"	P-198	10	22°24'58.74569"	83°56'14.89335"
P-149	7	22°26'04.99265"	83°57'15.21727"	P-199	10	22°24'59.72755"	83°56'08.01138"
P-150	7	22°26'45.31745"	83°57'48.55377"	P-200	10	22°24'58.97607"	83°56'01.63848"
P-201	10	22°24'54.57811"	83°55'57.38540"	P-251	13	22°20'42.20263"	83°53'35.24926"
P-202	10	22°24'53.88623"	83°55'54.99189"	P-252	13	22°20'42.42750"	83°53'36.66955"
P-203	10	22°24'50.48829"	83°55'44.59210"	P-253	14	22°20'39.01546"	83°51'55.40804"
P-204	10	22°24'45.88599"	83°55'39.82856"	P-254	14	22°20'33.77534"	83°51'58.65788"
P-205	10	22°24'41.71568"	83°55'34.54882"	P-255	14	22°20'30.35777"	83°52'04.59697"
P-206	10	22°24'18.75833"	83°55'37.79294"	P-256	14	22°20'28.17322"	83°52'11.09528"
P-207	10	22°24'15.91581"	83°55'44.06903"	P-257	14	22°20'29.25839"	83°52'15.72426"
P-208	10	22°24'11.16291"	83°55'48.64304"	P-258	15	22°19'30.54362"	83°49'50.39939"
P-209	10	22°24'07.34461"	83°55'51.31220"	P-259	15	22°19'35.45893"	83°49'54.83141"
P-210	11	22°23'12.08456"	83°55'59.75670"	P-260	15	22°19'40.54200"	83°49'59.10097"
P-211	11	22°23'13.81182"	83°56'06.49181"	P-261	15	22°19'46.28707"	83°50'00.61489"
P-212	11	22°23'15.54939"	83°56'13.22382"	P-262	15	22°19'51.88052"	83°49'59.20922"
P-213	11	22°23'04.90343"	83°55'52.60586"	P-263	15	22°19'58.02833"	83°50'01.38598"

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Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-214	11	22°23'05.29398"	83°55'52.70294"	P-264	15	22°20'04.32370"	83°49'59.96763"
P-215	12	22°22'03.30967"	83°55'44.25601"	P-265	15	22°20'10.47598"	83°49'57.78196"
P-216	12	22°22'06.87227"	83°55'44.06577"	P-266	15	22°20'11.75931"	83°49'57.46058"
P-217	12	22°21'06.01119"	83°54'27.32436"	P-267	16	22°21'12.68395"	83°47'17.20583"
P-218	12	22°21'08.78276"	83°54'33.54319"	P-268	16	22°20'27.51949"	83°48'17.34949"
P-219	12	22°21'10.18733"	83°54'40.35722"	P-269	16	22°20'22.91835"	83°48'22.25907"
P-220	12	22°21'12.80243"	83°54'46.37471"	P-270	16	22°20'16.89524"	83°48'24.80104"
P-221	12	22°21'16.72872"	83°54'51.63402"	P-271	16	22°20'10.60286"	83°48'25.33919"
P-222	12	22°21'18.42615"	83°54'58.37194"	P-272	16	22°20'04.12139"	83°48'25.79899"
P-223	12	22°21'21.18994"	83°55'04.63980"	P-273	16	22°19'57.98452"	83°48'24.18156"
P-224	12	22°21'23.63331"	83°55'11.07040"	P-274	16	22°19'52.07033"	83°48'22.67327"
P-225	12	22°21'27.32949"	83°55'16.54672"	P-275	16	22°19'46.81617"	83°48'24.31178"
P-226	12	22°21'30.09960"	83°55'22.80901"	P-276	16	22°19'46.81617"	83°48'24.31178"
P-227	12	22°21'33.13276"	83°55'28.96782"	P-277	16	22°19'44.81149"	83°48'26.19754"
P-228	12	22°21'36.30771"	83°55'35.05505"	P-278	16	22°21'08.42113"	83°47'21.54357"
P-229	12	22°21'40.00979"	83°55'38.95189"	P-279	16	22°21'03.50315"	83°47'26.40393"
P-230	12	22°21'44.16354"	83°55'34.22273"	P-280	16	22°20'58.11914"	83°47'46.05159"
P-231	12	22°21'50.50431"	83°55'35.55344"	P-281	16	22°20'57.07915"	83°47'52.81592"
P-232	12	22°21'55.08039"	83°55'40.35985"	P-282	16	22°20'45.67663"	83°48'07.11229"
P-233	12	22°22'00.28610"	83°55'43.84890"	P-283	16	22°20'44.12359"	83°48'10.11475"
P-234	12	22°22'03.30967"	83°55'44.25601"	P-284	17	22°21'41.64828"	83°45'45.43128"
P-235	12	22°20'43.85567"	83°53'58.19978"	P-285	17	22°21'36.65537"	83°45'42.31760"
P-236	12	22°20'47.75439"	83°54'02.76684"	P-286	17	22°21'30.27407"	83°45'42.52108"
P-237	12	22°20'49.45730"	83°54'08.82909"	P-287	17	22°21'26.77164"	83°45'37.34761"
P-238	12	22°20'51.64421"	83°54'15.24655"	P-288	17	22°21'21.63515"	83°45'33.18680"
P-239	12	22°20'56.15372"	83°54'20.21175"	P-289	17	22°21'16.65202"	83°45'29.48563"
P-240	12	22°21'02.40941"	83°54'21.81315"	P-290	17	22°21'12.23837"	83°45'27.25729"
P-241	12	22°21'06.01119"	83°54'27.32436"	P-291	17	22°21'56.93740"	83°45'54.60075"
P-242	13	22°20'41.96825"	83°52'50.20723"	P-292	17	22°21'51.11100"	83°45'56.65086"

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Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-243	13	22°20'42.73890"	83°52'57.13051"	P-293	17	22°21'46.55898"	83°45'51.77845"
P-244	13	22°20'40.65685"	83°53'03.54451"	P-294	17	22°21'42.34248"	83°45'46.49281"
P-245	13	22°20'39.86291"	83°53'07.94586"	P-295	17	22°21'05.04206"	83°46'15.65755"
P-246	13	22°20'39.86299"	83°53'07.93703"	P-296	17	22°21'00.10148"	83°46'01.88621"
P-247	13	22°20'39.88419"	83°53'14.91334"	P-297	17	22°21'00.39326"	83°46'07.97067"
P-248	13	22°20'40.40202"	83°53'21.84169"	P-298	17	22°22'02.59225"	83°46'46.84853"
P-249	13	22°20'39.94721"	83°53'28.73698"	P-299	17	22°22'03.23416"	83°46'42.46682"
P-250	13	22°20'39.94721"	83°53'28.73698"	P-300	18	22°23'20.10827"	83°48'56.80412"
P-301	18	22°23'17.12422"	83°49'02.80470"	P-351	22	22°26'30.23393"	83°52'57.12989"
P-302	18	22°23'13.85042"	83°49'03.99696"	P-352	22	22°26'36.59530"	83°52'57.20226"
P-303	18	22°23'14.62584"	83°48'57.13094"	P-353	22	22°26'42.82296"	83°52'57.91591"
P-304	18	22°23'15.14048"	83°48'50.23268"	P-354	22	22°26'44.79580"	83°52'58.60364"
P-305	18	22°23'17.76205"	83°48'43.90147"	P-355	23	22°28'33.19428"	83°51'39.96999"
P-306	18	22°23'21.76806"	83°48'38.40640"	P-356	23	22°28'28.43788"	83°51'35.28762"
P-307	18	22°23'25.54622"	83°48'32.77766"	P-357	23	22°28'24.82263"	83°51'29.87185"
P-308	18	22°23'23.37120"	83°48'26.73007"	P-358	23	22°28'18.87109"	83°51'28.37891"
P-309	18	22°23'20.66084"	83°48'21.31184"	P-359	23	22°28'12.45623"	83°51'29.48511"
P-310	19	22°24'17.54712"	83°48'33.90628"	P-360	23	22°28'06.14253"	83°51'29.02690"
P-311	19	22°24'20.80730"	83°48'27.97476"	P-361	23	22°27'59.85809"	83°51'28.62664"
P-312	19	22°24'22.71467"	83°48'21.34670"	P-362	23	22°27'53.82790"	83°51'29.32095"
P-313	19	22°24'23.06550"	83°48'14.61344"	P-363	23	22°27'50.97408"	83°51'29.11953"
P-314	19	22°24'22.28459"	83°48'07.68985"	P-364	23	22°27'44.55271"	83°51'29.70145"
P-315	19	22°24'22.17939"	83°48'04.15916"	P-365	23	22°27'41.90732"	83°51'30.06725"
P-316	19	22°24'39.92809"	83°47'21.85370"	P-366	23	22°27'45.45722"	83°50'07.89165"
P-317	19	22°24'41.56457"	83°47'18.21388"	P-367	23	22°27'44.95546"	83°50'14.79848"
P-318	20	22°23'40.54835"	83°52'00.15219"	P-368	23	22°27'43.80092"	83°50'21.64697"
P-319	20	22°23'46.78819"	83°52'01.67258"	P-369	23	22°27'40.62439"	83°50'27.71228"
P-320	20	22°23'53.25262"	83°52'02.34337"	P-370	23	22°27'39.08188"	83°50'33.45238"
P-321	20	22°23'57.90974"	83°51'57.97128"	P-371	24	22°29'49.31407"	83°53'32.22207"

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Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-322	20	22°24'00.64691"	83°51'51.73414"	P-372	24	22°29'50.89840"	83°53'32.72985"
P-323	20	22°24'05.56553"	83°51'47.69610"	P-373	24	22°30'34.26389"	83°53'14.19029"
P-324	20	22°24'09.50019"	83°51'42.42375"	P-374	24	22°30'29.85573"	83°53'09.11615"
P-325	20	22°24'14.32545"	83°51'38.55681"	P-375	24	22°30'24.90821"	83°53'05.46011"
P-326	20	22°24'16.30617"	83°51'35.73825"	P-376	24	22°30'21.85907"	83°53'04.74402"
P-327	21	22°26'58.19536"	83°52'25.67135"	P-377	24	22°30'10.92693"	83°53'01.74185"
P-328	21	22°26'58.09821"	83°52'25.84589"	P-378	24	22°30'04.45742"	83°53'01.72871"
P-329	21	22°26'58.19536"	83°52'25.67135"	P-379	24	22°29'46.27835"	83°53'31.57349"
P-330	21	22°26'58.09821"	83°52'25.84589"	P-380	24	22°29'42.32247"	83°53'33.54628"
P-331	21	22°27'01.38560"	83°52'19.53964"	P-381	24	22°29'36.47714"	83°53'31.62798"
P-332	21	22°26'58.32002"	83°52'25.24781"	P-382	24	22°29'29.31326"	83°53'29.74841"
P-333	21	22°26'52.22815"	83°52'25.70269"	P-383	24	22°29'23.07959"	83°53'27.99241"
P-334	21	22°26'49.35574"	83°52'20.24163"	P-384	24	22°29'17.23300"	83°53'24.95225"
P-335	21	22°26'48.09283"	83°52'13.42434"	P-385	24	22°29'11.10009"	83°53'22.66632"
P-336	21	22°26'45.90227"	83°52'06.93812"	P-386	24	22°29'05.21672"	83°53'20.11628"
P-337	21	22°26'43.41595"	83°52'04.63580"	P-387	24	22°29'00.96503"	83°53'14.89583"
P-338	21	22°27'01.38560"	83°52'19.53964"	P-388	24	22°28'55.93049"	83°53'06.37529"
P-339	21	22°26'58.32002"	83°52'25.24781"	P-389	24	22°28'54.97147"	83°53'04.27507"
P-340	21	22°26'52.22815"	83°52'25.70269"	P-390	24	22°30'03.10959"	83°52'04.59886"
P-341	21	22°26'49.35574"	83°52'20.24163"	P-391	24	22°30'06.78579"	83°52'09.88959"
P-342	21	22°26'48.09283"	83°52'13.42434"	P-392	24	22°30'08.87293"	83°52'16.50404"
P-343	21	22°26'45.90227"	83°52'06.93812"	P-393	24	22°30'11.55578"	83°52'22.76555"
P-344	21	22°26'43.41595"	83°52'04.63580"	P-394	24	22°30'14.36709"	83°52'29.03901"
P-345	22	22°26'59.25909"	83°52'59.23083"	P-395	24	22°30'17.26396"	83°52'35.05187"
P-346	22	22°27'05.27506"	83°52'57.67106"	P-396	24	22°30'19.75520"	83°52'41.38327"
P-347	22	22°27'09.60138"	83°53'01.27118"	P-397	24	22°30'20.65875"	83°52'48.30071"
P-348	22	22°27'14.70866"	83°53'05.52214"	P-398	24	22°30'24.62574"	83°52'53.52718"
P-349	22	22°27'19.05535"	83°53'09.49407"	P-399	24	22°30'26.13373"	83°53'00.32582"
P-350	22	22°26'23.93945"	83°52'58.65884"	P-400	24	22°30'28.92748"	83°53'06.55604"

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Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-401	24	22°30'32.60709"	83°53'12.25868"	P-451	26	22°31'26.42423"	83°54'29.05453"
P-402	24	22°30'03.10959"	83°52'04.59886"	P-452	26	22°31'32.62525"	83°54'26.96784"
P-403	24	22°30'01.53900"	83°52'10.21714"	P-453	26	22°31'38.71913"	83°54'24.54840"
P-404	24	22°30'03.10952"	83°52'04.59681"	P-454	26	22°31'40.94314"	83°54'23.52459"
P-405	24	22°30'01.87595"	83°53'02.53544"	P-455	26	22°29'16.96877"	83°54'40.19808"
P-406	24	22°30'00.18859"	83°52'55.93838"	P-456	26	22°29'11.62023"	83°54'44.10880"
P-407	24	22°30'00.98641"	83°52'49.00033"	P-457	26	22°29'10.20231"	83°54'50.43237"
P-408	24	22°30'01.78191"	83°52'42.06042"	P-458	26	22°29'08.75110"	83°54'57.20860"
P-409	24	22°30'00.61188"	83°52'35.60609"	P-459	26	22°29'08.50218"	83°54'57.99700"
P-410	24	22°29'57.71718"	83°52'29.57047"	P-460	26	22°29'16.96877"	83°54'40.19808"
P-411	24	22°29'57.59124"	83°52'22.69299"	P-461	26	22°29'11.62023"	83°54'44.10880"
P-412	24	22°29'59.63885"	83°52'16.05691"	P-462	26	22°29'10.20231"	83°54'50.43237"
P-413	24	22°29'49.72019"	83°53'31.77608"	P-463	26	22°29'08.75110"	83°54'57.20860"
P-414	24	22°31'14.88376"	83°50'52.99589"	P-464	26	22°29'08.50218"	83°54'57.99700"
P-415	24	22°31'11.08309"	83°50'50.77842"	P-465	27	22°32'11.72869"	83°57'20.52792"
P-416	24	22°29'48.11709"	83°53'39.00196"	P-466	27	22°32'05.42561"	83°57'18.83381"
P-417	24	22°29'49.31407"	83°53'32.22207"	P-467	27	22°31'59.13817"	83°57'17.07388"
P-418	24	22°29'48.11709"	83°53'39.00196"	P-468	27	22°31'56.18782"	83°57'16.18096"
P-419	24	22°29'49.31407"	83°53'32.22207"	P-469	27	22°31'56.13359"	83°57'16.54985"
P-420	24	22°30'01.87595"	83°53'02.53544"	P-470	27	22°32'02.39608"	83°57'18.40562"
P-421	24	22°30'03.63293"	83°53'09.04226"	P-471	27	22°32'08.70404"	83°57'20.07986"
P-422	24	22°30'01.13415"	83°53'15.49491"	P-472	27	22°32'11.70956"	83°57'20.86528"
P-423	24	22°29'56.53289"	83°53'19.89755"	P-473	28	22°34'16.29065"	83°57'27.93544"
P-424	24	22°29'52.06272"	83°53'24.75202"	P-474	28	22°34'09.83780"	83°57'27.12732"
P-425	24	22°29'49.84153"	83°53'31.31841"	P-475	28	22°34'05.01524"	83°57'27.53704"
P-426	24	22°29'49.72019"	83°53'31.77608"	P-476	28	22°34'04.76774"	83°57'27.94022"
P-427	24	22°30'01.87595"	83°53'02.53544"	P-477	28	22°34'11.21677"	83°57'27.66387"
P-428	24	22°30'03.63293"	83°53'09.04226"	P-478	28	22°34'16.12831"	83°57'28.27413"
P-429	24	22°30'01.13415"	83°53'15.49491"	P-479	29	22°35'24.68398"	83°42'58.50455"

Chhattisgarh BharatNet Phase-II Project

Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-430	24	22°29'56.53289"	83°53'19.89755"	P-480	29	22°35'23.70715"	83°42'59.09120"
P-431	24	22°29'52.06272"	83°53'24.75202"	P-481	29	22°35'00.09472"	83°44'02.69340"
P-432	24	22°29'49.84153"	83°53'31.31841"	P-482	29	22°34'54.17514"	83°44'05.31120"
P-433	24	22°29'49.72019"	83°53'31.77608"	P-483	29	22°34'48.29958"	83°44'03.76557"
P-434	24	22°30'03.10067"	83°52'04.33947"	P-484	29	22°34'44.82994"	83°43'57.89735"
P-435	24	22°30'03.10952"	83°52'04.59681"	P-485	29	22°34'39.50466"	83°43'54.42539"
P-436	24	22°30'03.10067"	83°52'04.33947"	P-486	29	22°34'33.04590"	83°43'54.15068"
P-437	24	22°30'03.10952"	83°52'04.59681"	P-487	29	22°34'32.92791"	83°43'54.15275"
P-438	24	22°29'53.64176"	83°53'34.65426"	P-488	30	22°33'28.14348"	83°43'26.14943"
P-439	24	22°29'33.41198"	83°53'30.63860"	P-489	30	22°33'32.52149"	83°43'21.07592"
P-440	24	22°29'46.45780"	83°53'48.51050"	P-490	30	22°33'34.69790"	83°43'17.64127"
P-441	24	22°29'47.74092"	83°53'41.66197"	P-491	31	22°34'38.31454"	83°41'09.66692"
P-442	24	22°29'46.85376"	83°53'46.68746"	P-492	31	22°34'39.75638"	83°41'03.07001"
P-443	24	22°29'46.45780"	83°53'48.51050"	P-493	31	22°34'40.21331"	83°40'56.30509"
P-444	25	22°32'14.85105"	83°52'26.09947"	P-494	31	22°34'40.81084"	83°40'52.31588"
P-445	25	22°32'16.19947"	83°52'19.70039"	P-495	32	22°34'20.55667"	83°37'53.58513"
P-446	25	22°32'14.97987"	83°52'12.85373"	P-496	32	22°34'14.97917"	83°37'50.12808"
P-447	25	22°32'10.17157"	83°52'09.62147"	P-497	32	22°34'11.57766"	83°37'47.55821"
P-448	25	22°32'09.29759"	83°52'09.55840"	P-498	32	22°34'14.76226"	83°37'43.94704"
P-449	26	22°31'13.92938"	83°54'32.83588"	P-499	32	22°34'12.92845"	83°37'37.24808"
P-450	26	22°31'20.19148"	83°54'31.01942"	P-538	35	22°29'11.84670"	83°40'18.31105"
P-501	32	22°34'15.37720"	83°37'23.62847"	P-539	35	22°29'05.71628"	83°40'18.46947"
P-502	32	22°34'12.65381"	83°37'17.29411"	P-540	35	22°29'04.27689"	83°40'18.26127"
P-503	32	22°34'12.07853"	83°37'10.38805"	P-541	36	22°27'59.79619"	83°41'06.57878"
P-504	32	22°34'11.46904"	83°37'08.08872"	P-542	36	22°27'55.18529"	83°41'02.17286"
P-505	32	22°33'59.44854"	83°36'53.75265"	P-543	36	22°27'49.24162"	83°41'04.12450"
P-506	32	22°34'04.51385"	83°36'58.12734"	P-544	36	22°27'42.85588"	83°41'05.15816"
P-507	32	22°34'08.20086"	83°37'03.71801"	P-545	36	22°27'37.90829"	83°41'06.33220"
P-508	32	22°34'11.46904"	83°37'08.08872"	P-546	36	22°27'31.87192"	83°41'07.74214"

Chhattisgarh BharatNet Phase-II Project

Point	Patch	Longitud in D:M:S	Latitud i D:M:S	Point	Patch	Longitud in D:M:S	Latitud i D:M:S
P-509	32	22°33'54.93632"	83°36'45.17421"	P-547	36	22°27'26.06659"	83°41'04.96341"
P-510	32	22°33'56.01570"	83°36'51.34356"	P-548	36	22°27'21.78344"	83°40'59.98386"
P-511	33	22°33'10.53991"	83°37'40.59475"	P-549	36	22°27'18.99686"	83°40'58.92881"
P-512	33	22°33'10.88509"	83°37'47.58129"	P-550	37	22°26'36.21109"	83°41'00.35249"
P-513	33	22°33'11.56345"	83°37'54.53114"	P-500	32	22°34'14.00139"	83°37'30.39146"
P-514	33	22°33'10.37708"	83°38'01.39148"	P-551	37	22°26'30.13073"	83°40'58.59782"
P-515	33	22°33'09.02536"	83°38'08.23051"	P-552	37	22°26'24.48921"	83°40'55.88517"
P-516	33	22°33'08.31993"	83°38'15.17271"	P-553	37	22°26'19.89399"	83°40'51.18184"
P-517	33	22°33'05.15435"	83°38'21.27128"	P-554	37	22°26'15.88210"	83°40'49.93375"
P-518	33	22°33'03.69117"	83°38'25.65863"	P-555	38	22°24'37.75360"	83°40'29.96333"
P-519	33	22°33'03.69117"	83°38'25.65863"	P-556	38	22°24'32.48001"	83°40'32.96427"
P-520	33	22°33'04.60401"	83°38'32.57297"	P-557	38	22°24'26.17683"	83°40'33.58678"
P-521	33	22°32'52.76306"	83°38'59.66905"	P-558	38	22°24'21.00533"	83°40'29.82412"
P-522	33	22°32'49.40406"	83°39'05.65683"	P-559	38	22°24'15.82747"	83°40'25.77123"
P-523	33	22°32'47.20198"	83°39'12.22541"	P-560	38	22°24'13.96510"	83°40'25.25175"
P-524	33	22°32'47.39110"	83°39'19.15274"	P-561	39	22°27'07.19530"	83°37'51.20073"
P-525	33	22°32'49.26578"	83°39'25.84998"	P-562	39	22°27'02.02223"	83°37'47.29752"
P-526	33	22°32'49.89327"	83°39'32.72934"	P-563	39	22°26'56.90556"	83°37'43.85062"
P-527	33	22°32'49.56974"	83°39'39.71617"	P-564	39	22°26'55.23796"	83°37'44.85130"
P-528	33	22°32'48.33466"	83°39'46.57837"	P-565	39	22°26'55.23796"	83°37'44.85130"
P-529	33	22°32'47.16740"	83°39'51.65261"	P-566	39	22°26'49.68915"	83°37'48.45669"
P-530	34	22°31'43.65958"	83°41'07.45831"	P-567	39	22°26'44.65154"	83°37'52.84458"
P-531	34	22°31'38.32111"	83°41'09.75633"	P-568	39	22°26'43.26491"	83°37'53.18452"
P-532	34	22°31'32.47772"	83°41'12.67996"	P-569	40	22°33'19.66338"	83°24'47.21216"
P-533	34	22°31'26.54407"	83°41'14.99093"	P-570	40	22°33'15.90652"	83°24'41.50215"
P-534	34	22°31'24.30170"	83°41'16.30707"	P-571	40	22°33'14.49732"	83°24'34.87877"
P-535	35	22°29'26.16784"	83°40'05.58588"	P-572	40	22°33'14.16160"	83°24'27.89100"
P-536	35	22°29'21.41542"	83°40'09.15248"	P-573	40	22°33'14.42551"	83°24'24.02653"
P-537	35	22°29'16.33570"	83°40'13.32675"				

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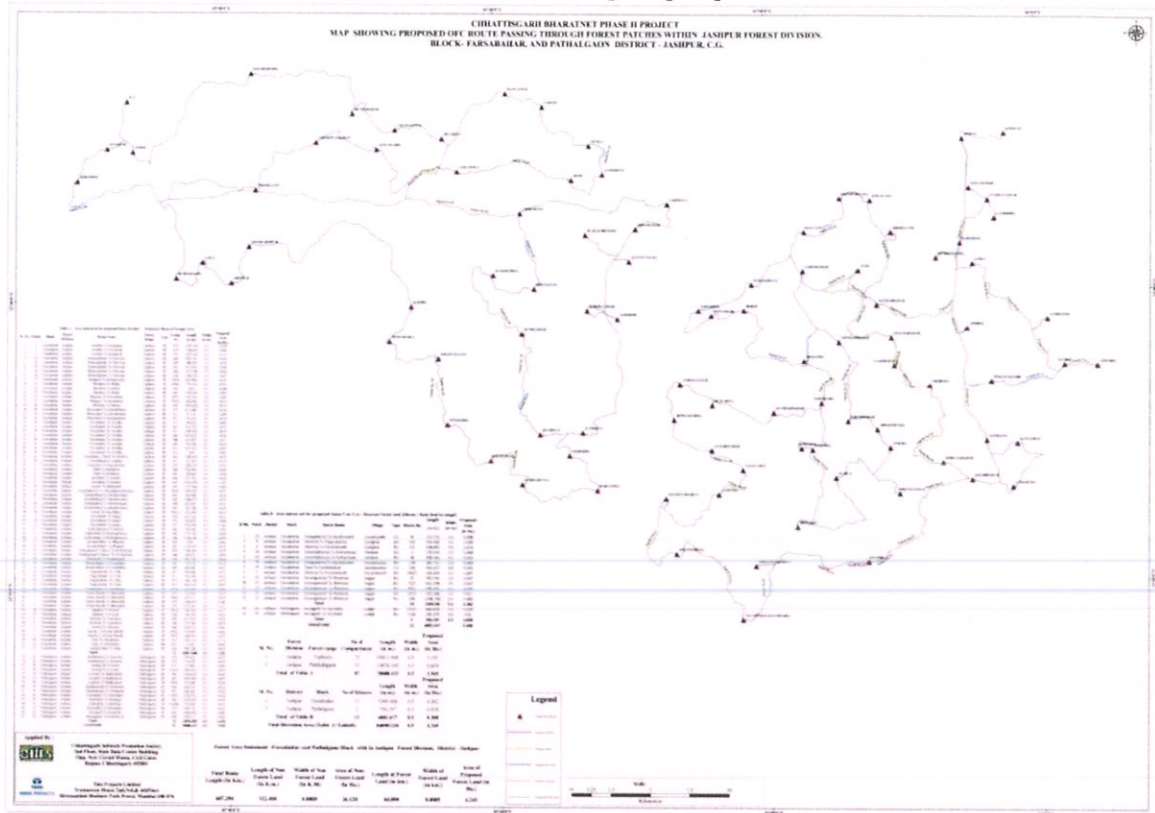
उप वन मंडलाधिकारी
मुनकुरी



वनमण्डलाधिकारी
उप वनमण्डलाधिकारी (उ.प.)

5.3. Geo-Referenced Maps of the Proposed Route (Annexure-3)

5.3.1. Map showing Geo-reference map of proposed OFC Route



Geo-Referenced Maps of Forest Patched with in Jashpur Forest Division

[Signature]
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पथलगाँव

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उप वनमण्डलाधिकारी
पथलगाँव



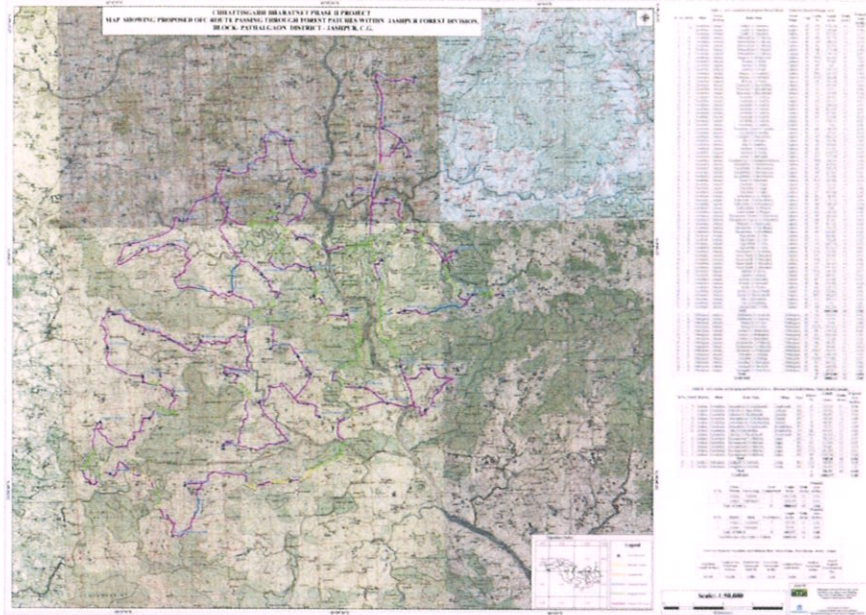
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तपकरा

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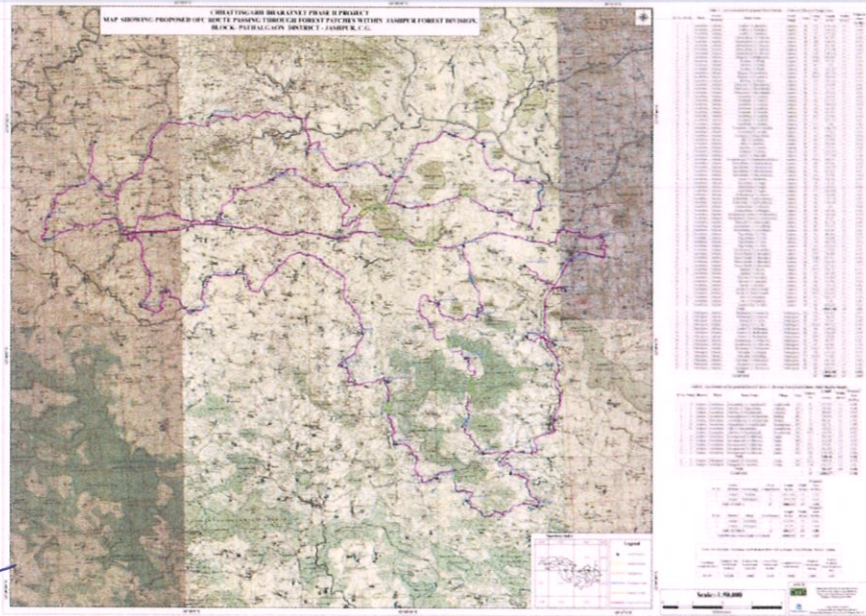
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वनमण्डलाधिकारी
जशपुर वनमण्डल जशपुर (च.ग.)

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5.3.2. Map showing proposed OFC Route on Toposheet map on 1:50,000 scale.



Geo-Referenced Toposheet Map of Forest Patched of Farsabahr Block in Jashpur Forest Division.



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तपकरा

Geo-Referenced Toposheet Map of Forest Patched of Pathalgaon Block in Jashpur Forest Division.

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